BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- **Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10**

									Estimation Cost.Rs	**9900000.00**
Sl No	**Description of work**		**Mesurement**				**Qty**	**Rate**	**Amount**
		Unit	**No.**	**L**	**B**	**D**			
1	KSRRB 300-1. **Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1)								
	For New Drain								
	Seetamma layout near Raghavendra temple	Cum	1	65.50	1.20	1.15	90.39		
	Seetamma layout near Raghavendra temple	Cum	1	83.00	1.20	1.05	104.58		
	For Culvert Rcc	Cum	1	6.00	2.00	0.90	10.80		
	For SSm Culvert								
	1st Cross	Cum	1	5.00	2.00	0.90	9.00		
	2nd Cross	Cum	1	5.00	2.00	0.90	9.00		
	3rd Cross	Cum	1	5.00	2.00	0.90	9.00		
	Drain Desilt								
	Kateramma temple Main Road	Cum	2	226.00	0.50	0.60	135.60		
	Near Gitanajali jewels Main Raod	Cum	2	109.00	0.50	0.60	65.40		
	Kateramma Temple Back Side Road	Cum	1	170.90	0.50	0.60	51.27		
	Raghavendra Temple Opposite	Cum	2	54.30	0.80	0.75	65.16		
	Muneshwara Layout Vemmanna Layout	Cum	2	67.90	0.45	0.50	30.56		
	Muneshwara Layout								
	6th Cross	Cum	1	73.20	0.45	0.50	16.47		
	Over Burden								
		Cum	1	60.00	1.30	0.40	31.20		
		Cum	2	45.04	1.00	0.20	18.02		
	Basic rate							130.00	
	Area weightage 6%							7.80	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						**646.44**	**207.60**	**134201.15**
2	Providing granite 10 cms thick slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete								
	Kateramma layout								
	Near Gitanajali jewels Main Raod	Sqm	2	108.90	0.90		196.02		
	Kateramma Temple Back Side Road	Sqm	1	170.90	0.90		153.81		
	Muneshwara Layout Vemmanna Layout	Sqm	2	67.90	0.90		122.22		
	Muneshwara Layout								
	6th Cross	Sqm	1	73.20	0.90		65.88		
				Sub Total			537.93		
	60% Missing or Dammage Salb						322.76		

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	Basic rate							912.00	
	Area weightage 6%							54.72	
						Total	**322.76**	**966.72**	**312016.61**
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2								
	For New Drain								
	Seetamma layout near Raghavendra temple	Cum	1	65.50	1.20	0.15	11.79		
	Seetamma layout near Raghavendra temple	Cum	1	83.00	1.20	0.15	14.94		
	Culvert								
	Kateramma layout Rcc								
		Cum	1	6.00	2.00	0.15	1.80		
	For SSm Culvert								
	1st Cross	Cum	1	5.00	2.00	0.15	1.50		
	2nd Cross	Cum	1	5.00	2.00	0.15	1.50		
	3rd Cross	Cum	1	5.00	2.00	0.15	1.50		
	Basic rate							5194.00	
	Area weightage 6%							311.64	
						Total	**33.03**	**5505.64**	**181851.29**
4	Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work								
	For SSm Culvert								
	1st Cross	Cum	2	5.00	0.60	0.60	3.60		
	2nd Cross	Cum	2	5.00	0.60	0.60	3.60		
	3rd Cross	Cum	2	5.00	0.60	0.60	3.60		
	Basic rate							5194.00	
	Area weightage 6%							311.64	
						Total	**10.80**	**4871.76**	**52615.01**
5	Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work								
	For SSm Culvert								
	1st Cross	Cum	2	5.00		0.60	6.00		
	2nd Cross	Cum	2	5.00		0.60	6.00		
	3rd Cross	Cum	2	5.00		0.60	6.00		
	Basic rate							5194.00	
	Area weightage 6%							311.64	
						Total	**18.00**	**223.66**	**4025.88**

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
6	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)								
	Bottom Raft								
	For New Drain								
	Seetamma layout near Raghavendra temple	Cum	1	65.50	0.90	0.15	8.84		
	Seetamma layout near Raghavendra temple	Cum	1	83.00	0.90	0.15	11.21		
	Culvert								
	Kateramma layout								
		Cum	1	6.00	1.80	0.20	2.16		
	Walls								
	For New Drain								
	Seetamma layout near Raghavendra temple	Cum	2	65.50	0.15	0.90	17.69		
	Seetamma layout near Raghavendra temple	Cum	2	83.00	0.15	0.90	22.41		
	Kateramma layout								
		Cum	2	6.00	0.20	0.75	1.80		
	Basic rate							6670.00	
	Area weightage 6%							400.20	
	Total						**64.10**	**7070.20**	**453217.50**
7	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2								
	For Drain	Tonne	1	60.14	0.075		4.51		
	For Culvert	Tonne	1	3.96	0.10		0.40		
	Basic rate							68233	
	Area weightage 6%							4093.98	
	Total						**4.91**	**72326.98**	**354885.89**
8	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	Drain cover slab								
	Kateramma layout								
	Kateramma temple Main Road	Sqm	2	226.00	0.90		406.80		
	Seetamma layout near Raghavendra temple	Sqm	1	65.50	0.90		58.95		
	Seetamma layout 3rd Cross Raghavendra temple Road	Sqm	1	83.00	0.90		74.70		
	Missing Slab								
		Sqm	172	0.90	0.60		92.88		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Data rate							**2337.00**	
	Total						**633.33**	**2337.00**	**1480092.21**
9	Providing and Fixing pre cast **covering Slab 250mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge								
	Culvert cover Slab								
		Sqm	8	5.00	1.80		72.00		
	New Culvert								
		Sqm	1	6.00	1.80		10.80		
	For SSm Culvert								
	1st Cross	**Sqm**	1	5.00	1.80		9.00		
	2nd Cross	**Sqm**	1	5.00	1.80		9.00		
	3rd Cross	**Sqm**	1	5.00	1.80		9.00		
	Data rate							**5418.00**	
	Total						**109.80**	**5418.00**	**594896.40**
10	KSRRB 300-46. ScKSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications. MORTH / Chapter 3 (P.No-146,I No-19.56)								
	Kateramma layout								
	Kateramma temple Main Road	Sqm	1	85.00	5.20		442.00		
	Basic rate	39					**442.00**	**41.34**	**18272.28**
	Area weightage 6%	2.34							
	Total	**41.34**							
11	KSRRB M300-14. **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead= (I No-19.14,P No-143)								
	Road								
	Kateramma layout								
	Main Road(UGD CUT)	Cum	1	110.00	1.35	0.60	89.10		
	Kateramma temple Main Road	Cum	1	109.00	1.10	0.23	27.58		
	Near Gitanajali jewels Main Raod	Cum	1	20.00	0.90	0.23	4.14		
		Cum	1	13.00	1.10	0.23	3.29		
		Cum	1	18.00	1.00	0.23	4.14		
	Kateramma Temple Back Side Road	Cum	1	20.00	0.60	0.23	2.76		
		Cum	1	10.00	1.10	0.23	2.53		
		Cum	1	8.00	1.50	0.23	2.76		
		Cum	1	14.00	1.30	0.23	4.19		
		Cum	1	24.00	0.80	0.23	4.42		
		Cum	1	19.00	5.45	0.23	23.82		
	Seetamma layout 3rd Cross Raghavendra temple Road	Cum	1	12.00	1.30	0.23	3.59		
		Cum	1	10.00	2.20	0.23	5.06		
		Cum	1	20.00	1.80	0.23	8.28		
		Cum	1	30.00	2.00	0.23	13.80		

Sl No	Description of work		Mesurement				Qty	Rate	Amount
		Unit	No.	L	B	D			
		Cum	1	16.00	3.00	0.23	11.04		
		Cum	1	17.00	3.00	0.23	11.73		
		Cum	1	15.00	3.00	0.23	10.35		
		Cum	1	16.00	3.00	0.23	11.04		
	Muneshwara Layout Vemmanna Layout	Cum	1	12.00	1.30	0.23	3.59		
		Cum	1	10.00	2.20	0.23	5.06		
	CC Road								
	3rd Cross	Cum	1	49.40	4.95	0.15	36.71		
	6th A Cross	Cum	1	40.60	4.0	0.15	24.26		
	Seetamma layout1st Cross	Cum	1	35.00	5.45	0.15	28.61		
	Muneshwara Layout								
	6th Cross	Cum	1	110	4.3	0.15	70.79		
	Basic rate							41.00	
	Area weightage 6%							2.46	
	5Km lead= (2*1.28*5)							12.80	
	Total						**412.87**	**56.26**	**23228.07**
12	KSRB M400 Stone dust / Grit 4.75 mm to 0.075 mm For Road Strengthening For UGD Cut portion								
	Main Road(UGD CUT)	Cum	1	110.00	1.35	0.30	44.55		
	Basic rate							1000.00	
	Area weightage 6%							60.00	
	Total						**44.55**	**1060.00**	**47223.00**
13	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)								
	Road cutting portion								
	Kateramma layout								
	Main Road(UGD CUT)	Cum	1	110.00	1.35	0.30	44.55		
		Cum	1	85.00	5.20	0.23	101.66		
	Kateramma temple Main Road								
		Cum	1	109.00	1.1	0.23	27.83		
	Near Gitanajali jewels Main Raod	Cum	1	18.00	0.90	0.23	3.73		
		Cum	1	13.00	1.10	0.23	3.29		
		Cum	1	16.00	1.00	0.23	3.68		
	Kateramma Temple Back Side Road	Cum	1	20.00	0.60	0.23	2.76		
		Cum	1	10.00	1.10	0.23	2.53		
		Cum	1	6.00	1.50	0.23	2.07		
		Cum	1	14.00	1.30	0.23	4.19		
		Cum	1	24.00	0.80	0.23	4.42		
		Cum	1	19.00	5.45	0.23	23.82		
	Seetamma layout 3rd Cross Raghavendra temple Road	Cum	1	12.00	1.30	0.23	3.59		

Sl No	Description of work		Mesurement				Qty	Rate	Amount
		Unit	No.	L	B	D			
		Cum	1	10.00	2.20	0.23	5.06		
		Cum	1	20.00	1.80	0.23	8.28		
		Cum	1	30.00	2.00	0.23	13.80		
		Cum	1	16.00	3.00	0.23	11.04		
		Cum	1	17.00	3.00	0.23	11.73		
		Cum	1	15.00	3.00	0.23	10.35		
		Cum	1	16.00	3.00	0.23	11.04		
	Muneshwara Layout Vemmanna Layout	Cum	1	12.00	1.30	0.23	3.59		
		Cum	1	10.00	2.20	0.23	5.06		
	Basic rate							1888.00	
	Area weightage 6%							113.28	
	Total						**308.05**	**2001.28**	**616488.70**
14	KSRRB 500-1.Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications.(P.No.158,I.No.21.1)								
	Road cutting portion								
	Kateramma layout								
	Kateramma temple Main Road								
		Sqm	1	25.00	1.35		33.75		
		Sqm	1	109.00	1.1		120.99		
	Near Gitanajali jewels Main Raod	Sqm	1	18.00	0.90		16.20		
		Sqm	1	13.00	1.10		14.30		
		Sqm	1	16.00	1.00		16.00		
	Kateramma Temple Back Side Road	Sqm	1	20.00	0.60		12.00		
		Sqm	1	10.00	1.10		11.00		
		Sqm	1	6.00	1.50		9.00		
		Sqm	1	14.00	1.30		18.20		
		Sqm	1	24.00	0.80		19.20		
		Sqm	1	19.00	5.45		103.55		
	Seetamma layout 3rd Cross Raghavendra temple Road	Sqm	1	12.00	1.30		15.60		
		Sqm	1	10.00	2.20		22.00		
		Sqm	1	20.00	1.80		36.00		
		Sqm	1	30.00	2.00		60.00		
		Sqm	1	16.00	3.00		48.00		
		Sqm	1	17.00	3.00		51.00		
		Sqm	1	15.00	3.00		45.00		
		Sqm	1	16.00	3.00		48.00		
	Muneshwara Layout Vemmanna Layout	Sqm	1	12.00	1.30		15.60		
		Sqm	1	10.00	2.20		22.00		
	Basic rate							21.00	
	Area weightage 6%							1.26	
	Total						**737.40**	**22.26**	**16414.52**

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
15	KSRRB M500-6. Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6)								
	Kateramma layout								
	Kateramma temple Main Road	Sqm	1	85.00	5.20		442.00		
		Sqm	1	25.00	1.35		33.75		
	Kateramma temple Main Road								
		Sqm	1	109.00	1.1		120.99		
	Near Gitanajali jewels Main Raod	Sqm	1	18.00	0.90		16.20		
		Sqm	1	13.00	1.10		14.30		
		Sqm	1	16.00	1.00		16.00		
	Kateramma Temple Back Side Road	Sqm	1	20.00	0.60		12.00		
		Sqm	1	10.00	1.10		11.00		
		Sqm	1	6.00	1.50		9.00		
		Sqm	1	14.00	1.30		18.20		
		Sqm	1	24.00	0.80		19.20		
		Sqm	1	19.00	5.45		103.55		
	Seetamma layout 3rd Cross Raghavendra temple Road	Sqm	1	12.00	1.30		15.60		
		Sqm	1	10.00	2.20		22.00		
		Sqm	1	20.00	1.80		36.00		
		Sqm	1	30.00	2.00		60.00		
		Sqm	1	16.00	3.00		48.00		
		Sqm	1	17.00	3.00		51.00		
		Sqm	1	15.00	3.00		45.00		
		Sqm	1	16.00	3.00		48.00		
	Muneshwara Layout	Sqm	1	12.00	1.30		15.60		
		Sqm	1	10.00	2.20		22.00		
					Sub Total		1179.40		
	Kateramma temple Main Road	Sqm	1	226.00	5.1		1154.86		
	Near Gitanajali jewels Main Raod	Sqm	1	109.00	4.3		469.79		
	Kateramma Temple Back Side Road	Sqm	1	170.90	4.75		811.78		
	Seetamma layout 3rd Cross Raghavendra temple Road	Sqm	1	295.80	5.00		1479.00		
	Muneshwara Layout Vemmanna Layout	Sqm	1	67.90	3.8		255.10		
					Sub Total		4170.53		
	Deduct Road Cut	4170.53-1179.40=2991.13					2991.13		
	For 25% Profile Correction						747.78		
	Basic rate							27.00	
	Area weightage 6%							1.62	
	Total						**1927.18**	**28.62**	**55155.93**

Sl No	Description of work		Mesurement				Qty	Rate	Amount
		Unit	No.	L	B	D			
16	KSRRB M500-17. Providing and laying **dense graded bituminous macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6)								
	Kateramma layout								
	Kateramma temple Main Road	Cum	1	85.00	5.20	0.05	22.10		
		Cum	1	25.00	1.35	0.05	1.69		
	Kateramma temple Main Road								
		Cum	1	109.00	1.11	0.05	6.05		
	Near Gitanajali jewels Main Raod	Cum	1	18.00	0.90	0.05	0.81		
		Cum	1	13.00	1.10	0.05	0.72		
		Cum	1	16.00	1.00	0.05	0.80		
	Kateramma Temple Back Side Road	Cum	1	20.00	0.60	0.05	0.60		
		Cum	1	10.00	1.10	0.05	0.55		
		Cum	1	6.00	1.50	0.05	0.45		
		Cum	1	14.00	1.30	0.05	0.91		
		Cum	1	24.00	0.80	0.05	0.96		
		Cum	1	19.00	5.45	0.05	5.18		
	Seetamma layout 3rd Cross Raghavendra temple Road	Cum	1	12.00	1.30	0.05	0.78		
		Cum	1	10.00	2.20	0.05	1.10		
		Cum	1	20.00	1.80	0.05	1.80		
		Cum	1	30.00	2.00	0.05	3.00		
		Cum	1	16.00	3.00	0.05	2.40		
		Cum	1	17.00	3.00	0.05	2.55		
		Cum	1	15.00	3.00	0.05	2.25		
		Cum	1	16.00	3.00	0.05	2.40		
	Muneshwara Layout	Cum	1	12.00	1.30	0.05	0.78		
		Cum	1	10.00	2.20	0.05	1.10		
					Sub Total		58.97		
	Kateramma temple Main Road	Cum	1	226.00	5.1	0.05	57.74		
	Near Gitanajali jewels Main Raod	Cum	1	109.00	4.3	0.05	23.49		
	Kateramma Temple Back Side Road	Cum	1	170.90	4.75	0.05	40.59		
	Seetamma layout 3rd Cross Raghavendra temple Road	Cum	1	295.80	5.00	0.05	73.95		
	Muneshwara Layout Vemmanna Layout	Cum	1	67.90	3.8	0.05	12.76		
					Sub Total		208.53		
	Deduct Road Cut	208.53-58.97=149.56					149.56		
	For 25% Profile Correction						37.39		

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	Basic rate							6224.00	
	Area weightage 6%							373.44	
	Total						**96.36**	**6597.44**	**635720.68**
17	KSRRB 500-2.Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.(P.No.158,I.No.21.12).								
	Kateramma layout								
	Kateramma temple Main Road	Sqm	1	226.00	5.1		1154.86		
	Near Gitanajali jewels Main Raod	Sqm	1	109.00	4.3		469.79		
	Kateramma Temple Back Side Road	Sqm	1	170.90	4.75		811.78		
	Seetamma layout 3rd Cross Raghavendra temple Road	Sqm	1	295.80	5.00		1479.00		
	Muneshwara Layout Vemmanna Layout	Sqm	1	67.90	3.8		255.10		
	Basic rate							5.00	
	Area weightage 6%							0.3	
	Total						**4170.53**	**5.30**	**22103.78**
18	KSRRB 500-7. Providing and **applying tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7)								
	Kateramma layout								
	Kateramma temple Main Road	Sqm	1	226.00	5.1		1154.86		
	Near Gitanajali jewels Main Raod	Sqm	1	109.00	4.3		469.79		
	Kateramma Temple Back Side Road	Sqm	1	170.90	4.75		811.78		
	Seetamma layout 3rd Cross Raghavendra temple Road	Sqm	1	295.80	5.0		1479.00		
	Muneshwara Layout Vemmanna Layout	Sqm	1	67.90	3.8		255.10		
	Basic rate							12.00	
	Area weightage 6%							0.72	
	Total						**4170.53**	**12.72**	**53049.08**
19	KSRRB M500-19. Providing and laying **bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4% VG-30 Bitumen(P.No-162,I No-21.22.6)								
	Kateramma layout								
	Kateramma temple Main Road	Cum	1	226.00	5.1	0.04	46.19		
	Near Gitanajali jewels Main Raod	Cum	1	109.00	4.3	0.04	18.79		

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	Kateramma Temple Back Side Road	Cum	1	170.90	4.75	0.04	32.47		
	Seetamma layout 3rd Cross Raghavendra temple Road	Cum	1	295.80	5.00	0.04	59.16		
	Muneshwara Layout Vemmanna Layout	Cum	1	67.90	3.8	0.04	10.20		
	Basic rate							7315.00	
	Area weightage 6%							438.90	
	Total						**166.82**	**7753.90**	**1293513.44**
20	KSRRB M800-13.**Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)								
	Kateramma layout								
	Kateramma temple Main Road	Sqm	2	226.00	0.10		45.20		
	Near Gitanajali jewels Main Raod	Sqm	2	109.00	0.10		21.80		
	Kateramma Temple Back Side Road	Sqm	2	170.90	0.10		34.18		
	Seetamma layout 3rd Cross Raghavendra temple Road	Sqm	2	295.80	0.10		59.16		
	Muneshwara Layout Vemmanna Layout	Sqm	0.5	67.90	0.10		3.40		
	Basic rate							429.00	
	Area weightage 6%							25.74	
	Total						**163.74**	**454.74**	**74456.85**
21	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202(P.No.140- I.No.18.47) & Pg No.136, Item No.17.4,17.1 (5km lead = 57+2*1.28X5)								
	Kateramma layout								
	CC Road								
	3rd Cross	Cum	1	49.40	4.95	0.20	48.95		
	6th A Cross	Cum	1	40.60	4.0	0.20	32.34		
	Seetamma layout1st Cross	Cum	1	35.00	5.45	0.20	38.15		
	Muneshwara Layout								
	6th Cross	Cum	1	110.00	4.3	0.20	94.38		
	Basic rate							899.00	
	Area weightage 6%							53.94	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						**213.82**	**1022.74**	**218679.69**
22	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1. 4.2								
	Kateramma layout								

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	CC Road								
	3rd Cross	Cum	1	49.40	4.95	0.15	36.71		
	6th A Cross	Cum	1	40.60	4.0	0.15	24.26		
	Seetamma layout1st Cross	Cum	1	35.00	5.45	0.15	28.61		
	Muneshwara Layout								
	6th Cross	Cum	1	110.00	4.3	0.15	70.79		
	For Flagging Course								
	Basic rate							5102.00	
	Area weightage 6%							306.12	
	Total						**160.36**	**5408.12**	**867262.94**
23	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
	For SSm Culvert								
	Vent Bed								
	1st Cross	Cum	1	5.00	0.70	0.15	0.53		
	2nd Cross	Cum	1	5.00	0.70	0.15	0.53		
	3rd Cross	Cum	1	5.00	0.70	0.15	0.53		
	Copping Concrete								
	1st Cross	Cum	2	5.00	0.55	0.10	0.55		
	2nd Cross	Cum	2	5.00	0.55	0.10	0.55		
	3rd Cross	Cum	2	5.00	0.55	0.10	0.55		
	Basic rate							5422.00	
	Area weightage 6%							325.32	
	Total						**3.23**	**5747.32**	**18535.11**
24	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum Pg No 176Item								
	Kateramma layout								
	CC Road								
	3rd Cross	Cum	1	49.40	4.95	0.15	36.71		
	6th A Cross	Cum	1	40.60	4.0	0.15	24.26		
	Seetamma layout1st Cross	Cum	1	35.00	5.45	0.15	28.61		
	Muneshwara Layout								
	6th Cross	Cum	1	110.00	4.3	0.15	70.79		
	Basic rate							4916.00	
	Area weightage 6%							294.96	
	Total						**160.36**	**5210.96**	**835645.75**
								Grand Total	**8363551.78**
								KRIDL Charges 3+1=4%	**334542.07**

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
								GST Charges (12% of estimated cost)	1003626.21
								DPR Charges 1%	99000.00
								PMC Charges 1%	99000.00
								Miscellenious and rounding	279.94
								Total Amount	9900000.00
								RUPEES NINETY NINE LAKHS ONLY	

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019,Issue rates and Data Rates.

Sunitha-M K AE W 10
Assistant Engineer
Vidhyaranyapuram Sub Division
BBMP

Assistant Executive Engineer
Vidhyaranyapuram Sub Division
BBMP

Executive Engineer
Vidhyaranyapuram Division
BBMP

ADMINISTRATIVE APPROVAL
Accorded For Rs. 99.00 Lakhs only
Head of A/c. P-3727
Div. Ref. No. 69/19-20 Date. 24-10-19
AE
EE(BTP) 24/10

Technical Sanction
Accorded For Rs 99.00 Lakhs only
Head of A/C. P3727
CER NO :142 Dt: 28.10.2019
TA
CE (NK)